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Declarations under Rule 4.17:

— as to the identity of the inventor (Rule 4.17(i))

[Continued on next page]

(54) Title: OIL SUSPENSIONS OF SULPHONYLUREAS AND AGROCHEMICAL COMBINATIONS

Figure 1



(57) Abstract: An agrochemical formulation in the form of an oil suspension characterised in that it contains as essential elements of the formulation (percentages by weight related to the total weight of the formulation) at least; a herbicide of the sulphonylurea type at a concentration of 0.5-50%, preferably 2-30%, a paraffin mineral oil at a concentration of 10-75%, preferably without the existence of any other type of mineral or vegetable oil in the formulation and the concentration of mineral oil being 40-60%, an organomodified silane compound at a concentration of 5-40%, preferably 10-25%, with the existence of other coformulants until reaching 100% by weight of the formulation.



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|---|--|
| — as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) | — before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h)) |
| — as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) | |
| — of inventorship (Rule 4.17(iv)) | |

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. A01N47/36 A01N25/04 A01N25/30 A01N25/22 A01N43/40
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/244357 A1 (SIEVERDING EDWARD [DE] ET AL) 3 November 2005 (2005-11-03)	18
Y	paragraphs [0003], [0014] - [0041], [0046], [0050], [0054], [0055]	1-5, 13, 17
X	EP 0 737 420 A (OSI SPECIALTIES INC [US] CROMPTON CORP [US]) 16 October 1996 (1996-10-16)	18
Y	page 2, lines 32-36, 47-57 page 3, lines 49-56 page 4, lines 16-20, 31	1-4, 13, 17
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2005/041661 A (CALTEX AUSTRALIA PETROLEUM PTY [AU]; JOHNSON DAVID [AU]) 12 May 2005 (2005-05-12) page 3, lines 19-25 page 4, lines 6-9 page 6, lines 7-25 page 7, lines 10-19 page 10, lines 3-24 page 11, lines 6-21 page 12, lines 4-24 page 13, lines 24-29 page 14, lines 13-19; examples 1-7 -----	1-5,7, 9-11,13, 17
Y	AU 2003 201 298 A1 (GEORGE MASON; JOHN MATTHEWS; JOHN AULD; PETER HAYWARD; CHRISTINE HAYWA) 2 October 2003 (2003-10-02) page 4, lines 3-15 page 4, line 23 - page 5, line 23 table 1 page 12, lines 1-6 page 13, lines 7-13 examples 3-6 -----	1-5,7, 9-11,13, 15,17
Y	EP 0 789 999 A (HOECHST SCHERING AGREVO GMBH [DE]) 20 August 1997 (1997-08-20) page 2, lines 3-5,37,38,46-50 page 3, lines 4-22,33-35 -----	1-5,7, 9-11,13, 15,17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2008/004901

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-15,17,18

Oil suspension comprising a) 0.5 - 50% of a sulfonylurea herbicide, b) 10 - 75% of a paraffin mineral oil, c) 5 - 40% of an organomodified silane compound and other coformulants until reaching 100% of the formulation (claims 1 - 14), method of preparing such a formulation as defined by claim 15, the use of such formulations as defined by claim 17 and the use of polysiloxane polyesters in oil suspensions of sulphonylureas (claim 18).

2. claim: 16

Use of a mixture of nonionic dispersing agents of the A-B-A block copolymer of 12-hydroxystearic acid and PEG type and of the condensed fatty acid type in order to prevent the agglomeration of crystals when grinding active ingredients in the presence of paraffin oil and an organomodified silane.

3. claim: 19

The use of biuret in oil suspensions of sulphonylureas

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2008/004901

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